# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

(9)

Name of work: Estimate for Improvements to Drains at Doddabommasandra Krishna Temple Surrounding area in Ward No. 09 Vidyaranyapura sub Division.

**Estimate Cost Rs. 1100000.00**

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2015-16** | Cum | | | | | | | |
| | For Drain Desilting | | | | | | | | |
| | Puttanjinappa Layout | | 2 | 340.00 | 0.45 | 0.45 | 137.70 | | |
| | | | 2 | 300.00 | 0.45 | 0.45 | 121.50 | | |
| | Deshabandunagara | | 2 | 350.00 | 0.45 | 0.45 | 141.75 | | |
| | | | 2 | 330.00 | 0.45 | 0.45 | 133.65 | | |
| | Krishna Temple Surroundings | | 2 | 300.00 | 0.45 | 0.45 | 121.50 | | |
| | | | 2 | 250.00 | 0.45 | 0.45 | 101.25 | | |
| | Berm cutting | | | | | | | | |
| | Puttanjinappa Layout | | 2 | 340.00 | 1.25 | 0.25 | 212.50 | | |
| | | | 2 | 300.00 | 1.20 | 0.25 | 180.00 | | |
| | Deshabandunagara | | 2 | 350.00 | 1.25 | 0.25 | 218.75 | | |
| | | | 2 | 330.00 | 1.25 | 0.25 | 206.25 | | |
| | Krishna Temple Surroundings | | 2 | 300.00 | 1.25 | 0.25 | 187.50 | | |
| | | | 2 | 250.00 | 1.25 | 0.25 | 156.25 | | |
| | | | | | | | **1918.60** | 83.16 | **159551.00** |
| | Basic Rate | 77.00 | | | | | | | |
| | Area Weightage @8% | 6.16 | | | | | | | |
| | **Total** | **83.16** | | | | | | | |
| 2 | Removing B.S Slab of Drain and stacking **Page No. 25 / Item No. 5.32 / PWD SR 2015-16** | Sqm | | | | | | | |
| | Puttanjinappa Layout | | 2 | 90.00 | | 0.90 | 162.00 | | |
| | | | 2 | 85.00 | | 0.90 | 153.00 | | |
| | Deshabandunagara | | 2 | 95.00 | | 1.35 | 256.50 | | |
| | | | 2 | 75.00 | | 1.35 | 202.50 | | |
| | Krishna Temple Surroundings | | 2 | 80.00 | | 1.35 | 216.00 | | |
| | | | 2 | 50.00 | | 1.35 | 135.00 | | |
| | | | | | | | **1125.00** | 63.72 | **71685.00** |
| | Basic Rate | 59.00 | | | | | | | |
| | Area Weightage @ 8% | 4.72 | | | | | | | |
| | **Total** | **63.72** | | | | | | | |
| 3. | Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 25 / Item No. 5.33 / PWD SR 2015-16** | Sqm | | | | | | | |
| | | | Qty Vide Item No. 2 | | | | **1125.00** | 78.84 | **88695.00** |
| | Basic Rate | 73.00 | | | | | | | |
| | Area Weightage @ 8% | 5.84 | | | | | | | |
| | **Total** | **78.84** | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 4 | KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6 / PWD SR 2015-16** | Cum | | | | | | | |
| | Bottom | | 1 | 248.00 | 0.45 | 0.10 | 11.16 | | |
| | Solid Block Bottom and Top Concrete | | 2 | 248.00 | 0.20 | 0.10 | 9.92 | | |
| | | | | | | | **21.08** | 5490.72 | **115744.00** |
| | Basic Rate | 5084.00 | | | | | | | |
| | Area Weightage @ 8% | 406.72 | | | | | | | |
| | **Total** | **5490.72** | | | | | | | |
| 5 | KSRB 5-14 : Providing and constructing **precast concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 25 / Item No. 5.27 / PWD SR 2015-16** | Sqm | | | | | | | |
| | Raising Drain | | 2 | 248.00 | | 0.20 | 99.20 | | |
| | | | | | | | **99.20** | 1018.44 | **101029.00** |
| | Basic Rate | 943.00 | | | | | | | |
| | Area Weightage @ 8% | 75.44 | | | | | | | |
| | **Total** | **1018.44** | | | | | | | |
| 6 | KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **Page No. 13 / Item No. 4.11 / PWD SR 2015-16** | Cum | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Covering Slab | | 413 | 0.90 | 0.60 | 0.10 | 22.30 | | |
| | | | | | | | **22.30** | 6198.12 | **138230.00** |
| | Basic Rate | 5739.00 | | | | | | | |
| | Area Weightage @ 8% | 459.12 | | | | | | | |
| | **Total** | **6198.12** | | | | | | | |
| 7 | KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16** | Tonne | | | | | | | |
| | **60 Kg / Cum** | | 0.06 | 22.30 | | | 1.34 | | |
| | | | | | | | **1.34** | 62887.58 | **84151.00** |
| | Revised Basic Rate | 58229.24 | | | | | | | |
| | Area Weightage @ 8% | 4658.34 | | | | | | | |
| | **Total** | **62887.58** | | | | | | | |
| 8 | KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31 / PWD SR 2015-16** | Sqm | | | | | | | |
| | | | 413 | 3.00 | | 0.12 | 148.68 | | |
| | Basic Rate | 284.00 | | | | | **148.68** | 306.72 | **45603.00** |
| | Area Weightage @ 8% | 22.72 | | | | | | | |
| | **Total** | **306.72** | | | | | | | |
| 9 | Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km ( PWD SR 2015-16** Rates P No 139 ) | Cum | | | | | | | |
| | | | Qty. Vide Item No. 1 | | | | **1918.60** | 106.34 | **204018.00** |
| | Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 TX 11.90Km X 2.0/km= 30.46 | 30.46 | | | | | | | |
| | Add loading and unloading Charges **It No 17.1 KSRRB M 100-1** | 68.00 | | | | | | | |
| | | **98.46** | | | | | | | |
| | Area Weightage @ 8% | 7.88 | | | | | | | |
| | **Total** | **106.34** | | | | | | | |

(6)

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 10 | Sub Total | | | | | | | | 1008706.00 |
| 11 | KRIDL Charges @ 8% | | | | | | | | 80696.00 |
| 12 | Third Party Inspection Charges @ 1% | | | | | | | | 10087.00 |
| 13 | Add for unforseen and rounding off | L/S | | | | | | | 511.00 |
| | | | | | | | | Total | 1100000.00 |

**Rupees Eleven Lakh(s) Only**

**Certificate:**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
KRIDL

Assistant Executive Engineer
KRIDL

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
14/6/16.

**Administrative Approval**
Accorded For 11.00 lakh Rs.
Head of A/C P-2415
CER NO : 9 Dt:. 16.06.16

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 11.00 Lakhs only
Head of A/c. P-2415
Div. Ref. No. EE/08/16-17 Date 25/06/16

AE 25/06

EE(BTP) 25/6/16
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ., ಬೆಂಗಳೂರು

**Name of work : Improvements to drains at Doddabo msandra Krsihna Temple surrounding area in ward No 09 in Vidyaranyapura sub Division**

(6)